

Title (en)

HYBRID LEAF SPRING AND SUSPENSION SYSTEM FOR SUPPORTING AN AXLE ON A VEHICLE

Title (de)

FEDER MIT HYBRIDEN BLÄTTERN UND AUFHÄNGUNGSSYSTEM ZUR ABSTÜTZUNG EINER FAHRZEUGACHSE

Title (fr)

RESSORT A LAMES HYBRIDE ET SYSTEME DE SUSPENSION SERVANT A SUPPORTER UN ESSIEU SUR UN VEHICULE

Publication

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Application

EP 98938430 A 19980806

Priority

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- US 90674797 A 19970806

Abstract (en)

[origin: WO9907566A1] In a hybrid leaf spring (10), an elongated primary leaf element (12) is provided having a first modulus of elasticity, a tension surface (14), and a compression surface (16). At least one layer of composite material (20) is substantially parallel to and bonded to the tension surface (14) of the primary leaf element (12) with at least a second layer of composite material (20) bonded to the compression surface (16) of the primary leaf (12). The primary leaf element (12) can also include mounting eyes (18) coupled to the ends of the primary leaf element (12) for mounting the hybrid leaf spring (10) to the frame of a vehicle. The hybrid leaf spring (10) can also include multiple layers of composite material (20) bonded to both the tension (14) and compression (16) surfaces of the primary leaf spring (12).

IPC 1-7

B60G 11/02

IPC 8 full level

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CPC (source: EP US)

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